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<p>(21) International Application Number: PCT/CA99/01065 (22) International Filing Date: 8 November 1999 (08.11.99) (30) Priority Data: 09/187,249 6 November 1998 (06.11.98) US (71) Applicant (for all designated States except US): UNIVER- SITE DE MONTREAL [CA/CA]; 2900, Boulevard Edouard-Montpetit, Montréal, Québec H3C 3J7 (CA). (72) Inventors; and (75) Inventors/Applicants (for US only): BARBEAU, Jean [CA/CA]; 4582 Euclide Brien, Montreal, Quebec H1X 3H4 (CA). GRAVEL, Denis [CA/CA]; 207 des Pyrénées, Saint-Lambert, Quebec J4S 1L3 (CA). HABI, Abdelkrim [CA/CA]; Apartment 45, 7961 Champ d'Eau, Anjou, Quebec H1J 1X4 (CA). (74) Agents: DUBUC, Jean, H. et al.; Goudreau Gage Dubuc & Martineau Walker, The Stock Exchange Tower, Suite 3400, 800 Place Victoria, Montreal, Quebec H4Z 1E9 (CA).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>
<p>(54) Title: IMPROVED BACTERICIDAL AND NON-BACTERICIDAL SOLUTIONS FOR REMOVING BIOFILMS</p> <p>(57) Abstract</p> <p>This invention relates to compositions for removing biofilms from contaminated surfaces. The compositions minimally comprise a detergent and a salt or a salt-forming acid. These components act together for rapidly and efficiently dismantle biofilms. The compositions may also comprise a bactericide, for destroying bacteria. One of the preferred compositions achieves, when reconstituted in a determined volume of water, concentrations of 0.5 % cetylpyridinium moieties, 1 % EDTA and 1 % of an acid or a salt of an acid selected from mandelic, glycolic, fumaric, citric and phosphoric acids, or a mixture thereof, at a pH higher than about 7.5. This composition removes and destroys biofilms.</p>		

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